

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Assistant Commissioner for Trademarks, 2900 Crystal Drive, Arlington, Virginia 22203-3819.

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

on JANUARY 14, 2002

Signature: [Signature]

NAME: [Name]

FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 110

Complete if Known

Application Number 09/654,227

Filing Date 08/31/2000

First Named Inventor Heil et al.

Examiner Name M. Bahar

Group / Art Unit 1617

Attorney Docket No. PLOVIN 1-A

RECEIVED

FEB 14 2002

TECH CENTER 1600/2900

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																		
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: 13-3402</p> <p>Deposit Account Name: Millen, White, Zelano & Branigan, P.C.</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>		<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td></td> </tr> <tr> <td>113</td> <td>1,840*</td> <td>113</td> <td>1,840*</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>110</td> </tr> <tr> <td>116</td> <td>400</td> <td>216</td> <td>200</td> <td></td> </tr> <tr> <td>117</td> <td>920</td> <td>217</td> <td>460</td> <td></td> </tr> <tr> <td>118</td> <td>1,440</td> <td>218</td> <td>720</td> <td></td> </tr> <tr> <td>128</td> <td>1,960</td> <td>228</td> <td>980</td> <td></td> </tr> <tr> <td>119</td> <td>320</td> <td>219</td> <td>160</td> <td></td> </tr> <tr> <td>120</td> <td>320</td> <td>220</td> <td>160</td> <td></td> </tr> <tr> <td>121</td> <td>280</td> <td>221</td> <td>140</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td></td> </tr> <tr> <td>141</td> <td>1,280</td> <td>241</td> <td>640</td> <td></td> </tr> <tr> <td>142</td> <td>1,280</td> <td>242</td> <td>640</td> <td></td> </tr> <tr> <td>143</td> <td>460</td> <td>243</td> <td>230</td> <td></td> </tr> <tr> <td>144</td> <td>620</td> <td>244</td> <td>310</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td></td> </tr> <tr> <td>123</td> <td>130</td> <td>123</td> <td>130</td> <td></td> </tr> <tr> <td>126</td> <td>180</td> <td>126</td> <td>180</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td></td> </tr> <tr> <td>146</td> <td>740</td> <td>246</td> <td>370</td> <td></td> </tr> <tr> <td>149</td> <td>740</td> <td>249</td> <td>370</td> <td></td> </tr> <tr> <td>179</td> <td>740</td> <td>279</td> <td>370</td> <td></td> </tr> <tr> <td>169</td> <td>900</td> <td>169</td> <td>900</td> <td></td> </tr> </tbody> </table>		Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65		127	50	227	25		139	130	139	130		147	2,520	147	2,520		112	920*	112	920*		113	1,840*	113	1,840*		115	110	215	55	110	116	400	216	200		117	920	217	460		118	1,440	218	720		128	1,960	228	980		119	320	219	160		120	320	220	160		121	280	221	140		138	1,510	138	1,510		140	110	240	55		141	1,280	241	640		142	1,280	242	640		143	460	243	230		144	620	244	310		122	130	122	130		123	130	123	130		126	180	126	180		581	40	581	40		146	740	246	370		149	740	249	370		179	740	279	370		169	900	169	900	
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																
105	130	205	65																																																																																																																																																	
127	50	227	25																																																																																																																																																	
139	130	139	130																																																																																																																																																	
147	2,520	147	2,520																																																																																																																																																	
112	920*	112	920*																																																																																																																																																	
113	1,840*	113	1,840*																																																																																																																																																	
115	110	215	55	110																																																																																																																																																
116	400	216	200																																																																																																																																																	
117	920	217	460																																																																																																																																																	
118	1,440	218	720																																																																																																																																																	
128	1,960	228	980																																																																																																																																																	
119	320	219	160																																																																																																																																																	
120	320	220	160																																																																																																																																																	
121	280	221	140																																																																																																																																																	
138	1,510	138	1,510																																																																																																																																																	
140	110	240	55																																																																																																																																																	
141	1,280	241	640																																																																																																																																																	
142	1,280	242	640																																																																																																																																																	
143	460	243	230																																																																																																																																																	
144	620	244	310																																																																																																																																																	
122	130	122	130																																																																																																																																																	
123	130	123	130																																																																																																																																																	
126	180	126	180																																																																																																																																																	
581	40	581	40																																																																																																																																																	
146	740	246	370																																																																																																																																																	
149	740	249	370																																																																																																																																																	
179	740	279	370																																																																																																																																																	
169	900	169	900																																																																																																																																																	
<p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>																																																																																																																																																				
<p>FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Large Fee (\$)</th> <th>Small Fee Code</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>740</td> <td>201</td> <td>370</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>106</td> <td>330</td> <td>206</td> <td>165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>510</td> <td>207</td> <td>255</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>740</td> <td>208</td> <td>370</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>160</td> <td>214</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (1)</td> <td>(\$ 0)</td> </tr> </tbody> </table>		Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid	101	740	201	370	Utility filing fee		106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		SUBTOTAL (1)					(\$ 0)																																																																																																									
Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid																																																																																																																																															
101	740	201	370	Utility filing fee																																																																																																																																																
106	330	206	165	Design filing fee																																																																																																																																																
107	510	207	255	Plant filing fee																																																																																																																																																
108	740	208	370	Reissue filing fee																																																																																																																																																
114	160	214	80	Provisional filing fee																																																																																																																																																
SUBTOTAL (1)					(\$ 0)																																																																																																																																															
<p>2. EXTRA CLAIM FEES</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Multiple Dependent</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>-20**</td> <td>= 0</td> <td>X</td> <td>= 0</td> <td></td> <td></td> </tr> <tr> <td>-3**</td> <td>= 0</td> <td>X</td> <td>= 0</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>X</td> <td>= 0</td> <td></td> <td></td> </tr> </tbody> </table>		Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid	-20**	= 0	X	= 0			-3**	= 0	X	= 0					X	= 0																																																																																																																													
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid																																																																																																																																															
-20**	= 0	X	= 0																																																																																																																																																	
-3**	= 0	X	= 0																																																																																																																																																	
		X	= 0																																																																																																																																																	
<table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Large Fee (\$)</th> <th>Small Fee Code</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>84</td> <td>203</td> <td>42</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>84</td> <td>202</td> <td>42</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>280</td> <td>204</td> <td>140</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>84</td> <td>209</td> <td>42</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (2)</td> <td>(\$ 0)</td> </tr> </tbody> </table>		Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid	103	84	203	42	Claims in excess of 20		102	84	202	42	Independent claims in excess of 3		104	280	204	140	Multiple dependent claim, if not paid		109	84	209	42	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$ 0)																																																																																																									
Large Fee Code	Large Fee (\$)	Small Fee Code	Small Fee (\$)	Fee Description	Fee Paid																																																																																																																																															
103	84	203	42	Claims in excess of 20																																																																																																																																																
102	84	202	42	Independent claims in excess of 3																																																																																																																																																
104	280	204	140	Multiple dependent claim, if not paid																																																																																																																																																
109	84	209	42	** Reissue independent claims over original patent																																																																																																																																																
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																
SUBTOTAL (2)					(\$ 0)																																																																																																																																															
<p>Other fee (specify) _____</p>		<p>*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 110)</p>																																																																																																																																																		

**or number previously paid, if greater. For Reissues, see above

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	John A. Sopp	Registration No. Attorney/Agent	33,103
Signature	[Signature]	Telephone	703-243-6333
		Date	January 14, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.